

RECEIVED  
2013 JUN 28 PM 4:02  
IDAHO PUBLIC  
UTILITIES COMMISSION

BEFORE THE IDAHO PUBLIC UTILITIES COMMISSION

IN THE MATTER OF IDAHO POWER )  
COMPANY'S APPLICATION FOR A )  
CERTIFICATE OF PUBLIC CONVENIENCE ) CASE NO. IPC-E-13-16  
AND NECESSITY FOR THE INVESTMENT )  
IN SELECTIVE CATALYTIC REDUCTION )  
CONTROLS ON JIM BRIDGER UNITS 3 )  
AND 4. )  
\_\_\_\_\_ )

IDAHO POWER COMPANY

DIRECT TESTIMONY

OF

LISA A. GROW

1 Q. Please state your name and business address.

2 A. My name is Lisa A. Grow and my business  
3 address is 1221 West Idaho Street, Boise, Idaho 83702.

4 Q. By whom are you employed and in what capacity?

5 A. I am employed by Idaho Power Company ("Idaho  
6 Power" or "Company") as the Senior Vice President of Power  
7 Supply.

8 Q. Please describe your educational background  
9 and work experience with Idaho Power.

10 A. I graduated from the University of Idaho in  
11 1987 with a Bachelor of Science degree in Electrical  
12 Engineering. I received an Executive Masters of Business  
13 Administration from Boise State University in 2008. I  
14 began my career at Idaho Power after graduating from the  
15 University of Idaho in 1987, and have held several  
16 engineering positions before moving into management in  
17 2005. In 2005, I was named Vice President of Delivery  
18 Engineering and Operations. In 2009, I was appointed to my  
19 current position as Senior Vice President of Power Supply.  
20 My current responsibilities include overseeing the  
21 operation and maintenance of Idaho Power's generation  
22 fleet, power plant engineering and construction,  
23 environmental affairs, water management, power supply  
24 planning, and wholesale electricity and gas operations. I  
25 also oversee Idaho Power's load serving operations, which

1 is responsible for delivering reliable energy to customers  
2 through the Company's grid using its generation portfolio  
3 and system purchases.

4 Q. What is the Company's request in this  
5 proceeding?

6 A. The Company is requesting that the Idaho  
7 Public Utilities Commission ("Commission") issue a  
8 Certificate of Public Convenience and Necessity ("CPCN")  
9 and provide binding ratemaking treatment under *Idaho Code* §  
10 61-541 related to the Selective Catalytic Reduction ("SCR")  
11 investments planned for Jim Bridger Units 3 and 4 ("Bridger  
12 SCRs").

13 Q. What is the purpose of your testimony in this  
14 proceeding?

15 A. The purpose of my testimony is to: (1)  
16 provide an overview of the Company's case, (2) describe the  
17 important role that the Jim Bridger power plant ("Jim  
18 Bridger Plant") serves in maintaining the diversity and low  
19 cost structure of the Company's generation resource  
20 portfolio, (3) provide the Commission with an understanding  
21 of the regulations and analyses that led to the Company's  
22 plans to commit to the investment in the Bridger SCRs, and  
23 (4) explain the Company's rationale for requesting a CPCN  
24 and binding ratemaking treatment in this proceeding.

25

1 I. OVERVIEW

2 Q. Please provide an overview of the Company's  
3 case.

4 A. In this case, the Company will support its  
5 request for a CPCN and associated ratemaking treatment  
6 related to the investment in the Bridger SCRs by  
7 demonstrating that the SCR investment is prudent,  
8 necessary, and in the best interests of the Company and its  
9 customers.

10 Mr. Tom Harvey, Joint Projects Manager, will present  
11 testimony that describes in detail the federal and state  
12 emissions regulations that require the Bridger SCRs. Mr.  
13 Harvey will also describe the analyses that were performed  
14 to determine that the Bridger SCRs represent the most cost-  
15 effective retrofit technology that will allow the Jim  
16 Bridger Plant to operate in compliance with those emissions  
17 regulations. Lastly, Mr. Harvey will provide a description  
18 of the Company's economic analysis that determined that the  
19 investment in the Bridger SCRs represents the lowest cost  
20 and least risk option of serving future customer demands.

21 Mr. Michael J. Youngblood, Manager of Regulatory  
22 Projects, will present testimony that discusses the  
23 portfolio analyses performed in the 2013 Integrated  
24 Resource Plan ("IRP") which supports the continued  
25 operation of the Jim Bridger Plant. Mr. Youngblood will



1 also present the cost estimates for the Bridger SCRs and  
2 the estimated revenue requirement impact of including that  
3 investment in the Company's rate base. Finally, Mr.  
4 Youngblood will discuss how binding ratemaking treatment is  
5 requested to operate in this case.

6 Q. What is your role in the Company's decision-  
7 making process regarding the investment in the Bridger  
8 SCRs?

9 A. As the Senior Vice President of Power Supply,  
10 I oversee the Joint Projects and Water and Resource  
11 Planning groups. These groups were responsible for  
12 preparing the economic analyses related to the Bridger SCRs  
13 as well as the 2013 IRP. Under my leadership, the Joint  
14 Projects group manages the Company's ownership interest in  
15 the Jim Bridger Plant; therefore, I am the officer  
16 responsible for the Jim Bridger Plant and the SCR project.  
17 Also, I am the officer that oversees the reliable operation  
18 of Idaho Power's system and electric generation portfolio.

19 Over the past several years, I have had regular  
20 discussions with Mr. Harvey regarding the regulations,  
21 financial/economic analyses, and engineering studies  
22 related to the need and viability of the Bridger SCRs.

23

24

25

1       **II.    THE ROLE OF THE JIM BRIDGER PLANT IN THE COMPANY'S**  
2                               **GENERATION RESOURCE PORTFOLIO**  
3

4           Q.       Please describe Idaho Power's current  
5 portfolio of generation resources.

6           A.       Idaho Power's current resource portfolio  
7 consists of a diverse mix of low-cost generation types  
8 totaling nearly 3,600 megawatts ("MW") of nameplate  
9 capacity. Idaho Power's resource portfolio is anchored by  
10 the Company's hydroelectric system consisting of 17  
11 projects located on the Snake River and its tributaries.  
12 These 17 projects provide 1,709 MW of nameplate capacity  
13 and approximately 8.4 million megawatt-hours ("MWh")  
14 annually under median water conditions. Idaho Power is the  
15 non-operating partner in three coal-fired power plants that  
16 provide the Company with 1,119 MW of nameplate capacity.  
17 Idaho Power's share of these resources includes the Jim  
18 Bridger Plant at 771 MW, the North Valmy power plant  
19 ("Valmy") at 284 MW, and the Boardman power plant  
20 ("Boardman") at 64 MW. Idaho Power's resource portfolio  
21 also includes three natural gas-fired combustion turbine  
22 plants. Langley Gulch, a combined-cycle plant, provides  
23 318 MW of nameplate capacity. The Company's two simple-  
24 cycle "peaker" plants, the Danskin power plant and Bennett  
25 Mountain plant, provide a combined 444 MW of nameplate  
26 capacity. Idaho Power also owns a small diesel-fired

1 generator located in Salmon, Idaho, that provides  
2 approximately 5 MW of nameplate capacity.

3 Q. In addition to energy from its own resources,  
4 does Idaho Power serve its customer energy demands from  
5 other generation resource types?

6 A. Yes. The Company currently has power purchase  
7 agreements with one wind project and two geothermal  
8 projects. Elkhorn Valley wind project, located in  
9 northeastern Oregon, provides 101 MW of nameplate wind  
10 generation. The Raft River geothermal power plant, located  
11 in southern Idaho, provides 13 MW of nameplate capacity.  
12 The Neal Hot Springs geothermal project, located in eastern  
13 Oregon, provides 22 MW of nameplate capacity.

14 Idaho Power also contracts with Qualifying  
15 Facilities for energy purchases under the Public Utility  
16 Regulatory Policies Act of 1978 ("PURPA"). As of May 31,  
17 2013, Idaho Power had 103 PURPA contracts with independent  
18 developers for approximately 784 MW of nameplate capacity.  
19 The PURPA generation facilities consist of low-head  
20 hydroelectric projects on various irrigation canals,  
21 cogeneration projects at industrial facilities, wind  
22 projects, anaerobic digesters, landfill gas, wood-burning  
23 facilities, and various other small, renewable-power  
24 projects. There is one additional PURPA project under  
25

1 contract scheduled to come on-line by December 2013 with a  
2 nameplate capacity of 4.7 MW.

3 Q. How does a diverse generation portfolio  
4 benefit Idaho Power and its customers?

5 A. Idaho Power has learned from nearly a century  
6 of operations that energy diversity means energy security.  
7 The Company's resource portfolio is among the most diverse  
8 and therefore secure in the nation. The Company leverages  
9 its hydro, coal, and natural gas resources to provide  
10 dependable "baseload" energy to customers, along with  
11 purchased renewable resources and a robust set of energy  
12 efficiency programs. It is the same principle as  
13 maintaining a diversified investment portfolio to manage  
14 risk; a variety of resources minimizes the risk that comes  
15 with having all your eggs in one basket.

16 Q. What value do coal plants like the Jim Bridger  
17 Plant add to the Company's resource portfolio?

18 A. Clean, renewable hydropower remains the lowest  
19 cost foundation of Idaho Power's resource portfolio,  
20 providing for more than half of its customers' energy needs  
21 in most years. However, in low water years like the one  
22 southern Idaho is experiencing in 2013, water can be scarce  
23 during summer months when demand reaches its peak. Wind  
24 and solar cannot always satisfy the resulting generation  
25 shortfall. For example, last July, Idaho Power customers

1 set a record for electricity demand. At that time, Idaho  
2 Power had 600 MW of wind capacity connected to its system.  
3 Unfortunately, on that hot, calm day the wind turbines were  
4 only able to generate about 14 MW when customer demand was  
5 peaking in the late afternoon. It is at those times that  
6 the Company's reliable, low-cost coal resources, like the  
7 Jim Bridger Plant, can be dispatched to help meet customer  
8 demands. The Jim Bridger Plant not only provides highly  
9 valuable capacity during periods of peak demand, but also  
10 low cost and dependable baseload energy.

11 Q. Please describe the Company's Jim Bridger  
12 Plant.

13 A. Idaho Power owns one-third of the Jim Bridger  
14 coal-fired power plant located near Rock Springs, Wyoming.  
15 The plant consists of four generating units. After  
16 adjustment for scheduled maintenance periods and estimated  
17 forced outages, the annual energy generating capability of  
18 Idaho Power's share of the plant is approximately 625  
19 average megawatts. PacifiCorp (formerly known as Pacific  
20 Power & Light Company) has two-thirds ownership and is the  
21 operator of the Jim Bridger Plant.

22 Q. How does the variable cost of operating the  
23 Jim Bridger Plant compare to the Company's other resource  
24 alternatives?

25

1           A.       The Jim Bridger Plant has the lowest dispatch  
2     cost of Idaho Power's entire thermal generation fleet.  
3     Based on the Company's May 2013 Operating Plan, the Jim  
4     Bridger Plant's average dispatch cost is expected to be  
5     ██████/MWh over the period of June 2013 through May 2014.  
6     For comparison purposes, the average dispatch cost for the  
7     remaining baseload thermal fleet is expected to be  
8     ██████/MWh over the same period.

9           Q.       When fixed plant investment is also  
10    considered, does the Jim Bridger Plant continue to rank  
11    among the Company's lowest cost resources?

12          A.       Yes.   The Jim Bridger Plant is also the  
13    Company's lowest cost thermal resource from an installed  
14    cost of nameplate capacity perspective. Based on actual  
15    2012 financial information, the total cost of nameplate  
16    capacity (excluding fuel and per-unit energy taxes) for the  
17    Jim Bridger Plant was \$8.24/kilowatt ("kW")/month. For  
18    comparison purposes, the average 2012 installed cost of  
19    nameplate capacity for the remaining baseload thermal fleet  
20    was \$13.39/kW/month.

21           **III.   REQUIREMENTS AND ECONOMIC ANALYSES DEMONSTRATING**  
22                           **THE NEED FOR THE BRIDGER SCRS**  
23

24          Q.       Please describe the emissions control  
25    investments planned at Jim Bridger Units 3 and 4 for which  
26    the Company is seeking a CPCN.

1           A.       The emissions control investments proposed  
2   in this CPCN are SCR systems and associated ancillary  
3   equipment for Jim Bridger Units 3 and 4.  These emissions  
4   control equipment investments will result in the  
5   reduction of nitrogen oxide (NO<sub>x</sub>) emissions from Jim  
6   Bridger Units 3 and 4 in compliance with already binding  
7   state and proposed federal emissions requirements.

8           Q.       Which federal and state emissions  
9   requirements are the Bridger SCRs intended to satisfy?

10          A.       The Bridger SCRs are required to comply  
11   with existing Regional Haze Rules and are also required  
12   to comply with stand-alone requirements in the Wyoming  
13   State Implementation Plan ("SIP").  Mr. Harvey describes  
14   these emissions requirements in greater detail in his  
15   testimony.

16          Q.       When must the SCRs be installed at Jim  
17   Bridger Units 3 and 4 in order to successfully comply  
18   with the federal and state emissions regulations?

19          A.       The BART Appeal Settlement Agreement and the  
20   Wyoming Regional Haze SIP require the installation of SCR  
21   on Unit 3 by the end of 2015 and on Unit 4 by the end of  
22   2016.  On May 23, 2013, the United States Environmental  
23   Protection Agency ("EPA") proposed to approve the Wyoming  
24   SIP for installation of SCR on Jim Bridger Units 3 and 4  
25   in 2015 and 2016, respectively, as outlined in the SIP.

1 The EPA has indicated it will sign a notice of final  
2 rulemaking on November 21, 2013, making these emission  
3 reduction requirements at Jim Bridger Units 3 and 4  
4 federally enforceable as well.

5 Q. What would result if the Company did not make  
6 these investments within the compliance time frame?

7 A. If the environmental upgrades are not  
8 installed within the time frame given by the EPA, Idaho  
9 Power would be forced to stop generating from these units.  
10 Unlawfully operating the units in violation of federal and  
11 state regulations is **not** an option for Idaho Power.

12 Q. As a minority partner in the Jim Bridger  
13 Plant, what is the Company's decision authority regarding  
14 projects like the Bridger SCRs?

15 A. Several provisions in the agreement for the  
16 operation of the Jim Bridger Project Between Idaho Power  
17 Company and Pacific Power & Light Company ("Operation  
18 Agreement") address Idaho Power's payment obligations  
19 related to operating expenses, capital additions, and  
20 maintenance costs at the Jim Bridger Plant. Some of those  
21 provisions set forth below.

22 Article 14 of the Operation Agreement, *Capital*  
23 *Additions*, states:

24 At any time that either party shall  
25 determine a capital addition,  
26 improvement or betterment is required



1 or useful (other than replacements  
2 budgeted under the maintenance and  
3 repair provisions of this Agreement),  
4 the Operator shall have prepared a cost  
5 estimate of such capital addition and,  
6 if the parties agree, proceed with  
7 construction and installation, the  
8 costs thereof to be paid one-third by  
9 Idaho and two-thirds by Pacific unless  
10 otherwise agreed to at the time.

11  
12 Articles 5 and 6 of the Operation Agreement,  
13 *Expense of Operation, Maintenance, Repairs, and*  
14 *Replacements and Payment of Operating Expenses*, also  
15 contain sections related to the payment of costs at the  
16 Jim Bridger Plant. Section 5.1, for example, outlines  
17 certain operating expenses attributable to the Jim Bridger  
18 Plant ("Operating Expenses"). Section 5.4 then  
19 establishes a process for the review and approval of the  
20 budget as follows:

21 On or before October 1 of each year,  
22 Pacific shall submit to Idaho a budget  
23 of its estimate of Operating Expenses  
24 by calendar months for the calendar  
25 year beginning January 1 next  
26 following. Such budget shall be  
27 subject to approval by Idaho, which  
28 approval shall not unreasonably be  
29 withheld. If such approval is not  
30 given by November 1 in any such year,  
31 the parties shall agree upon a revised  
32 budget not later than December 1 of  
33 such year. Each budget shall include  
34 such items of expenditures for  
35 replacement and repair of Project  
36 facilities as are normal to projects of  
37 a similar character and shall provide  
38 an adequate contingency item for

1 emergency repairs and replacements.  
2 Pacific will submit any budget  
3 revisions which changes the budget by  
4 10% or more during any calendar year  
5 which Idaho shall promptly consider and  
6 which shall similarly be subject to  
7 approval by Idaho.

8  
9 Idaho Power representatives have been, and continue to be,  
10 fully engaged with the operating partner, PacifiCorp, to  
11 provide a thorough review of the costs and benefits  
12 associated with the installation of the Bridger SCRs  
13 according to the provisions of the Operating Agreement.

14 Q. Please describe the interactions that have  
15 been taking place between the Company and the operating  
16 partner, PacifiCorp, in regard to the SCR project.

17 A. The Company and PacifiCorp have been  
18 discussing the Regional Haze regulations and their impact  
19 on the Jim Bridger Plant since the EPA promulgated the  
20 Regional Haze Rules (40 CFR Part 51) in 1999. Most  
21 recently, senior officers of Idaho Power and PacifiCorp met  
22 at the Jim Bridger Plant, discussed the SCR approval  
23 process and contemplated the provisions to be included in a  
24 "Limited Notice to Proceed" for the Engineering,  
25 Procurement, and Construction ("EPC") contract. A  
26 subsequent meeting between Company representatives and  
27 PacifiCorp occurred to review the SCR procurement process,  
28 bidders, drawings, evaluations and recommendations on the

1 EPC contract. PacifiCorp and the Company continue to have  
2 communications on the SCR project.

3 Q. How will the investment in the SCRs impact the  
4 economic viability of the Jim Bridger Plant as compared to  
5 other resource alternatives?

6 A. To determine the economic viability of  
7 installing the Bridger SCRs, Idaho Power prepared the Coal  
8 Unit Environmental Investment Analysis ("Coal Study") which  
9 is included as Exhibit Nos. 5 and 6 to Mr. Harvey's  
10 testimony. The Coal Study analyzed the SCR investment at  
11 Jim Bridger Units 3 and 4 as part of a larger analysis  
12 conducted for all four units at the Jim Bridger Plant and  
13 the two units at the Valmy plant.

14 The methodology used in the Coal Study examined  
15 future investments required or reasonably anticipated for  
16 environmental compliance for the existing coal units.  
17 Those investments were then compared to the costs of two  
18 alternatives: (1) replace such units with combined-cycle  
19 combustion turbines or (2) convert the existing coal-fired  
20 units to natural gas. For the complete evaluation, Idaho  
21 Power used a combination of third-party analysis, input  
22 from the operating partners of each coal plant, and a final  
23 economic dispatch analysis conducted by the Company to  
24 assure a complete and fair assessment of the alternatives.

25

1           Q.     Do you believe the Coal Study results support  
2 retrofitting Jim Bridger Units 3 and 4 with SCRs?

3           A.     Yes. As outlined in greater detail in Mr.  
4 Harvey's testimony, the Coal Study supports retrofitting  
5 Jim Bridger Units 3 and 4 with emissions control equipment  
6 to allow ongoing coal-fueled energy production from this  
7 facility through the study period as the least-cost,  
8 adjusted for risk, outcome for customers.

9                   **IV. CPCN AND RATEMAKING TREATMENT**

10          Q.     Why is the Company requesting a CPCN and  
11 binding ratemaking treatment under *Idaho Code* § 61-541 at  
12 this time?

13          A.     The Company is requesting a CPCN and binding  
14 ratemaking treatment under *Idaho Code* § 61-541 for the SCR  
15 investment because of the magnitude of the investment, the  
16 uncertainty surrounding coal-fired generation in today's  
17 political and social environment, and the amount of  
18 interest expressed by stakeholders. With the magnitude of  
19 the investment and the changing climate for investments in  
20 coal-fired generation, the Company has chosen to request a  
21 CPCN even though it does not believe it is required to do  
22 so by *Idaho Code* § 61-526. In this way, a public process  
23 is initiated to provide the Company, Commission, and  
24 interested parties a regulatory forum to fully vet these  
25 contested issues.

1           Q.     Please explain further what you mean by  
2     "today's political and social environment."

3           A.     The political uncertainty surrounding the  
4     ongoing operation of coal-fired resources has been a  
5     reality for many years now, complete with discussion about  
6     cap and trade legislation, addition of a carbon tax, etc.  
7     The Company has experienced a number of events in recent  
8     years that attest to the heightened sensitivity to the  
9     issues surrounding coal-fired generation. For example, in  
10    the Company's last general rate case in Oregon, the  
11    Citizens' Utility Board of Oregon objected to the Company's  
12    proposal to recover a prior investment in Jim Bridger Plant  
13    pollution control equipment. Over a year later, even  
14    though the Public Utility Commission of Oregon ("OPUC")  
15    found that the Company's \$400,000 investment in  
16    environmental controls **was not imprudent nor caused harm to**  
17    **Oregon customers**, the OPUC stated on page 7 of Order No.  
18    13-132 that the Company "failed to exercise the reasonable  
19    standard of care" they expected utilities to exercise as  
20    co-owners of a generation facility. Thus, to ensure future  
21    compliance with that standard, the OPUC found that a one-  
22    time disallowance to management expense equivalent to 10  
23    percent of the Oregon portion of the investment was  
24    appropriate.

25

1           Q.       What are other experiences the Company has had  
2     that indicate a changing political and social environment  
3     regarding coal-fired generation?

4           A.       In its review of the Company's 2011 IRP filing  
5     in Oregon, the OPUC would not acknowledge any IRP provision  
6     relating to new investments in coal plants until the  
7     Company completed a study of its coal investment compliance  
8     costs and other parties had the opportunity to comment on  
9     the study. In Order No. 12-177, the OPUC directed Idaho  
10    Power to complete an evaluation of environmental compliance  
11    costs for existing coal-fired plants. Action Item 11 in  
12    Appendix A of Order No. 12-177 stated:

13                   In its next IRP Update, Idaho Power  
14                   will include an Evaluation of  
15                   Environmental Compliance Costs for  
16                   Existing Coal-fired Plants. The  
17                   Evaluation will investigate whether  
18                   there is flexibility in the emerging  
19                   environmental regulations that would  
20                   allow the Company to avoid early  
21                   compliance costs by offering to shut  
22                   down individual units prior to the end  
23                   of their useful lives. The Company  
24                   will also conduct further plant  
25                   specific analysis to determine whether  
26                   this tradeoff would be in the  
27                   ratepayers' interest.

28  
29           Recently, when the Company filed an informational  
30    copy of its 2011 IRP Update with the Commission under  
31    Docket No. IPC-E-11-11, environmental groups expressed  
32    concern regarding the use of coal-fired power generation by  
33    Idaho's regulated electric utilities and plans by those

1 utilities to make significant investments in the coal  
2 plants to keep them in compliance with state and federal  
3 regulations. These groups believed a rigorous review and  
4 public evaluation of additional coal plant investment  
5 should occur, and even suggested a CPCN proceeding.

6 Q. During the Company's development of the 2013  
7 IRP, were there other indications of the changing social  
8 and political concerns with regard to coal-fired  
9 generation?

10 A. Yes. Over the course of a year, the Company  
11 involved representatives of the public in the resource  
12 planning process. On a monthly basis, the Company met with  
13 members of the Integrated Resource Plan Advisory Council  
14 ("IRPAC"), which included representatives from the  
15 political, environmental, and customer sectors, as well as  
16 representatives of other public-interest groups. The IRPAC  
17 actively participated throughout the resource planning  
18 process. Members of the IRPAC representing the Idaho  
19 Conservation League and Boise State University suggested an  
20 additional resource portfolio which eliminated the  
21 Company's involvement in all of its coal-fired generation  
22 plants be included and analyzed as part of the 2013 IRP.

23 In addition to the resource portfolio suggested by  
24 the IRPAC members representing the Idaho Conservation  
25 League and Boise State University, Idaho Power developed a

1 resource portfolio that was derived from the study of the  
2 Idaho Power coal investment compliance costs. The resource  
3 portfolio was also analyzed as part of the 2013 IRP.

4 During the development of the 2013 IRP, NV Energy  
5 announced its intention to remove coal from its portfolio.  
6 Idaho Power is a one-half owner of Valmy and NV Energy is  
7 the operating partner. As a result of that announcement,  
8 Idaho Power included two additional resource portfolios  
9 designed to estimate the effects of closing Valmy. The  
10 2013 IRP is included as Attachment 4 to the Application  
11 filed contemporaneously with this direct testimony.

12 Q. What were the results of the IRP's analysis of  
13 the four coal-replacement scenarios?

14 A. The IRP's analysis supported the Coal Study in  
15 that the coal-retirement portfolios are not the least cost  
16 alternatives. The cost to replace the coal resources is  
17 simply too high.

18 Q. Are emission control investments at Valmy part  
19 of the Company's current CPCN request?

20 A. No. While the Valmy plant is not a part of  
21 the Company's request for a CPCN for the SCR investments at  
22 Jim Bridger Units 3 and 4, the Nevada legislation  
23 associated with NV Energy's announcement is yet another  
24 indication of the changing climate with regard to coal-  
25 fired generation.



1           Q.     Do you believe that the installation of the  
2     Bridger SCRs represents a prudent investment that is in the  
3     best interests of the Company and its customers?

4           A.     Yes, I do. As supported by the comprehensive  
5     analyses presented in this case, the investment in the  
6     Bridger SCRs represents the lowest cost and least risk  
7     option of serving future customer demands. The SCR  
8     investment will allow the Jim Bridger Plant, the Company's  
9     lowest cost thermal generation resource, to continue  
10    providing customers with reliable energy and will maintain  
11    the Company's diverse portfolio of generation resources.

12          Q.     Does this conclude your direct testimony in  
13    this case?

14          A.     Yes, it does.

15

16

17

18

19

20

21

22

23

24

25